



## Table of contents

<http://doi.org/10.11646/zootaxa.4466.1.2>

### Deep Sea and Cave Sponges

MICHELLE KLAUTAU, THIERRY PÉREZ, PACO CÁRDENAS & NICOLE J. DE VOOGD (Eds.)

- 4     **Preface**  
NICOLE BOURY-ESNAULT
- 8     **New sciaphilic plakinids (Porifera, Homoscleromorpha) from the Central-Western Pacific**  
ANAÍRA LAGE, GUILHERME MURICY, CÉSAR RUIZ & THIERRY PÉREZ
- 39    **A new cave-dwelling species of *Plakina* (Porifera: Homoscleromorpha) from Crete, Greece (South Aegean Sea)**  
ANAÍRA LAGE, HANNAH PAOLA MOTA ARAUJO, VASILIS GEROVASILEIOU & GUILHERME MURICY
- 49    ***Mycale* (*Oxymycale*) *klausjanusorum* sp. nov. (Porifera: Demospongiae: Poecilosclerida) from Flores Sea deep water, Indonesia**  
ROB W.M. VAN SOEST
- 61    **A new species of *Hymeraphia* Bowerbank, 1864 (Axinellida: Raspailiidae) from a deep-water canyon southwest off Ireland**  
CHRISTINE MORROW, LOUISE A. ALLCOCK & GRACE MCCORMACK
- 69    **Two new *Hamacantha* (*Vomerula*) from the Rio Grande Rise (SW Atlantic) (Hamacanthidae, Porifera)**  
CRISTIANA CASTELLO-BRANCO & EDUARDO HAJDU
- 78    **Mesophotic sponges of the genus *Callyspongia* (Demospongiae, Haplosclerida) from Cuba, with the description of two new species**  
LINNET BUSUTIL, MARÍA R. GARCÍA-HERNÁNDEZ, M. CRISTINA DÍAZ & SHIRLEY A. POMPONI
- 95    **Sponge grounds of *Artemisina* (Porifera, Demospongiae) in the Iberian Peninsula, ecological characterization by ROV techniques**  
PILAR RÍOS, RICARDO AGUILAR, ANA TORRIENTE, ARACELI MUÑOZ & JAVIER CRISTOBO
- 124   **Four new species of Hexactinellida (Porifera) and a name replacement from the NE Pacific**  
HENRY M. REISWIG
- 152   **Two new species of *Sympagella* (Porifera: Hexactinellida: Rossellidae) collected from the Clarion-Clipperton Zone, East Pacific**  
SASCHA HERZOG, DIVA J. AMON, CRAIG R. SMITH & DORTE JANUSSEN
- 164   ***Abyssocladia vaceleti* (Porifera, Cladorhizidae): a new deep-sea carnivorous sponge from Patagonia**  
PILAR RÍOS & JAVIER CRISTOBO

- 174 **From marine caves to the deep sea, a new look at *Caminella* (Demospongiae, Geodiidae) in the Atlanto-Mediterranean region**  
PACO CÁRDENAS, JEAN VACELET, PIERRE CHEVALDONNÉ, THIERRY PÉREZ & JOANA R. XAVIER
- 197 **When is an aster not an aster? A new deep-sea *Discorhabdella* (Demospongiae, Poecilosclerida) with asters, from the Mozambique Channel**  
JEAN VACELET & PACO CÁRDENAS
- 205 **Sponge inventory of the French Mediterranean waters, with an emphasis on cave-dwelling species**  
MARIE GRENIER, CÉSAR RUIZ, MAIA FOURT, MATHIEU SANTONJA, MAUDE DUBOIS, MICHELLE KLAUTAU, JEAN VACELET, NICOLE BOURY-ESNAULT & THIERRY PÉREZ
- 229 **New Poecilosclerida from mesophotic coral reefs and the deep-sea escarpment in the Pulley Ridge region, eastern Gulf of Mexico: *Discorhabdella ruetzleri* n.sp. (Crambeidae) and *Hymedesmia* (*Hymedesmia*) *vaceleti* n.sp. (Hymedesmiidae)**  
M. CRISTINA DÍAZ & SHIRLEY A. POMPONI